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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVIII, No. 2 HELENA INDEPENDENT RECORD HELENA MONTANA  February, 1970

Production of crude oil and condensate from the oil and gas areas of Montana for the month of February, 1970, averaged 109,193 barrels daily, an increase of 992 barrels from the average January, 1970 production of 108,201.

The nine refineries in the state processed 116,434 barrels of crude oil daily for the month of February, 1970, an increase of 6,699 barrels from the 109,735 barrels processed daily during the month of January, 1970.

During February 83 wells were completed, 12 oil, 3 gas and 68 dry holes.

During February the commission issued 28 permits to drill new wells, a decrease of 16 from the 44 permits issued during January.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF FEBRUARY, 1970

IN STORAGE FEBRUARY 1st	
By Producers	357,062
By Transporters	1,278,055
By Refiners	737,802
TOTAL STORAGE	2,372,919
Produced in Montana During Month	3,057,400
Imported During Month	2,532,371
TOTALS	7,962,690
DISPOSITION:	
Refined in Montana	3,260,160
Exported	2,092,673
Used for Fuel or Lost	5,554
TOTAL	5,358,387
IN STORAGE FEBRUARY 28th	
By Producers	378,269
By Transporters	1,285,272
By Refiners	940,762
TOTAL STORAGE	2,604,303

NATURAL GAS WITHDRAWALS IN MONTANA

Month of February, 1970

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	700,407
Big Coulee	106,805
Blackjack	73,695
Bowdoin	508,346
Bowes	28,857
Box Elder	60,868
Cabin Creek	94,832
Cedar Creek	434,468
Clarks Fork South	0
Cut Bank (Including Reagan)	601,900
Devon	0
Dry Creek	44,335
Elk Basin	79,753
Flat Coulee	17,036
Gold Butte	0
Golden Dome	0
Grandview	63,172
Hardin	1,168
Keith Block	185,328
Kevin Sunburst	69,140
Lake Basin	94,793
Middle Butte	4,489
Mt. Lilly	43,665
Pine	51,561
Plevna	9,913
Squaw Coulee	32,166
Tiger Ridge	11,572
Utopia	77,392
Whitlash	117,765
Miscellaneous	156,674
TOTAL	3,676,100

Total withdrawals for February, 1969 were 4,105,403.

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PRODUCERS REPORT—MONTH OF FEBRUARY, 1970

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	625	2,273		2,431		467
	Bannatyne		944					944
	Bascom		246					246
5	Bear's Den	7	2,166	648		1,244		1,570
80	Bell Creek	383	60,269	766,801	748,763		1,367	76,940
1	Benrud	1	363	656	440			579
2	Benrud East	2	1,501	13,349	13,300			1,550
1	Benrud Northeast	1	480	3,371	3,420			431
	Berthelote		506					506
5	Big Wall	15	1,494	10,225	10,216			1,503
5	Blackfoot	7	1,777	2,488	2,707			1,558
5	Border	5	572	1,629		1,711		490
1	Bowes	55	4,991	10,810	9,455			6,346
1	Bradley	1	392	600	387			605
2	Brady	2	296	219	219			296
1	Brorson-Madison	1	856	6,476	6,559			773
6	Brorson-Red River	6	6,173	35,305		35,455		6,023
2	Brorson-Red River South	2	3,017	10,121		11,062		2,076
2	Cabin Creek	98		280,231	280,231			
11	Cat Creek	58	2,542	15,020	12,727	2,486		2,349
	Clark's Fork		13					13
1	Clark's Fork South	1	261	1,042		410		893
3	Conrad South	3	662	1,017	1,017			662
1	Cow Creek	1	74	870	796			148
1	Cupton	1	1,680	1,881		1,382		2,179
123	Cut Bank	853	58,770	396,867	393,219			62,418
2	Deer Creek	2	1,310	1,739	2,183			866
1	Delphia	1	146	286				432
	Devil's Basin		688					688
2	Dwyer	15	4,126	21,894	21,386			4,634
4	Elk Basin	54	1,549	163,562	163,417			1,694
5	Elk Basin Northwest	13	8,045	13,705	13,941			7,809
9	Fairview	9	7,781	49,037	49,105			7,713
2	Fertile Prairie	2	475	1,429		1,393		511
9	Flat Coulee	27	4,723	10,128	10,385			4,466
40	Flat Lake	61	7,692	50,489	50,572			7,609
4	Flat Lake South	4	1,387	5,264	5,765			886
1	Frannie	1		448	448			
21	Fred & George Creek	37	3,344	39,247	39,426			3,165
1	Gage	1	375	149				524
	Gage Southwest		30					30
3	Gas City	17	7,158	22,380	18,444	4,984		6,110
11	Glendive	15	2,431	29,360	25,209	4,646		1,936
27	Goose Lake	34	5,583	42,137	42,240			5,480
9	Graben Coulee	21	4,617	4,760	4,298	849		4,230
	Gypsy Basin		749					749
2	Hay Creek	2	785	14,069	14,428			426
7	Hiawatha	7	3,963	7,392	6,431			4,924
1	Hibbard	1	231	375		208		398
1	Injun Creek	1	1,022	486				1,508
6	Ivanhoe	11	2,182	7,363	7,209	434		1,902
8	Keg Coulee	20	3,669	18,881	14,897	2,848		4,805
2	Keg Coulee North	2	858	822		833		847
1	Kelley	5	599	3,692	3,602			689
78	Kevin Sunburst	398	13,075	26,040	23,685	2,822		12,608
5	Laird Creek	10	979	5,302		5,422	4	855
2	Leary	2	1,911	1,520		2,017		1,414
1	Little Beaver	28		26,256	26,256			
2	Little Beaver East*	13	2,095	14,195	14,065			2,225
	Lodge Grass		789					789
3	Lookout Butte (Coral Creek)	33	326	72,551	72,356			521
	Mackay Dome		1,134					1,134
2	Mason Lake	2	241	961	669			533
3	Melstone	5	1,437	1,614	1,810			1,241
1	Mineral Bench	1	318	1,043	872			489
1	Miner's Coulee	1	107	417		417		107
13	Monarch	16	4,279	18,247	17,590			4,936
3	Mosser	3		530		530		
6	Outlook	10	4,686	15,756	15,545			4,897
1	Outlook South	1	665	1,652	1,654			663
2	Outlook West	2	681	3,602	3,286			997
1	Pennel-Lookout Butte	116		118,687	118,687			
4	Pine	117	17,548	261,324	261,782			17,090
1	Pole Creek	1	777	350		350		777
66	Pondera	274	5,857	24,680	25,119			5,418
9	Poplar	68	9,283	57,085	58,783			7,585
3	Poplar Northwest	3	1,617	729	567			1,779
4	Prairie Elk	12	871					871
2	Ragged Point	2	1,965	5,618	4,450			3,133
2	Rattlesnake Coulee	2	804	816	994			626
2	Reagan	45	518	21,024	21,100			442
1	Red Creek	20		17,319	17,319			
1	Red Fox	1	186	3,748	3,726			208
1	Redstone	1	456	3,967	3,896			527
1	Repeat	1	90	1,935		1,942		83
4	Reserve	5		15,193	15,193			
	Richey		778					778
1	Richey Southwest	6	1,028	2,749		2,227		1,550
1	Rush Mountain	1	541	3,302	3,515			328
6	Sand Creek	7	2,777	7,285	7,928			2,134
1	Shotgun Creek	1	288	541		671		158
	Sidney		880					880
1	Snyder	4	967	865		886		946
6	Soap Creek	17	2,873	3,769		3,655		2,987
1	Spring Lake	2	1,856	2,563		3,019		1,400
1	Stensvad	12	1,660	14,291	13,198			2,753
10	Sumatra	68	9,445	48,558	48,524			9,479
5	Tule Creek	6	3,304	32,026		31,797		3,533
2	Tule Creek East	2	468	10,487		10,335		620
2	Tule Creek South	3	1,355	5,263		5,762		856
3	Vida	2	534	1,432		1,110		856
3	Volt	4	3,053	12,418	12,779			2,692
2	Weed Creek	3	579	5,263	5,195		18	629
4	Weldon	11	1,092	29,899	30,048			943
1	West Butte	1		2,850		2,850		
14	Whitlash	41	7,322	13,690	13,541			7,471
1	Whitlash West	1	483	319	208			594
2	Wills Creek South	2		3,257	3,257			
5	Wolf Springs	7	2,984	4,205	4,135			3,054
2	Woodrow	2	382	2,442	2,510			314
3	Wright Creek	5	1,517	7,214	6,620			2,111
1	Wildcat, Blaine Cty.	1	550	39				589
	Wildcat, Carbon Cty.		723					723
1	Wildcat, Fallon Cty.	1	983	1,806		466	1,273	1,050
2	Wildcat, Glacier Cty.	5	1,561	1,022	665		2	1,916
	Wildcat, Liberty Cty.		307					307
	Wildcat, Powder River Cty.		198					198
4	Wildcat, Richland Cty.	5	2,260	22,106		22,519		1,847
4	Wildcat, Roosevelt Cty.	4	1,701	11,783				2,197
3	Wildcat, Sheridan Cty.	3	3,120	12,502		12,400		3,222
	Wildcat, Stillwater Cty.		65					65
	Wildcat, Wibaux Cty.	1	545	300		300		545
755	Total	3,288	357,062	3,057,400	2,838,369	195,160	2,664	378,269

Total Oil Produced & Shipped
From Leases

	Bbbs. Produced	Daily Average	Bbbs Shipped	Daily Average
Year, 1969	43,954,112	120,422	44,000,342	120,549
January, 1970	3,354,243	108,201	3,347,077	107,970
February, 1970	3,057,400	109,193	3,033,529	108,340
Oil In Storage		In Producers Field Tank	In Refiners Storage†	Total oil In Storage†
December, 1969		351,210	731,177	2,319,742
January, 1970		357,062	737,802	2,372,919
February, 1970		378,269	940,762	2,604,303

*Montana Oil Only

†Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF FEBRUARY, 1970

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,431				2,431		
BEAR'S DEN—Truck			1,244				1,244		
BELL CREEK—Pipelines		748,763					285,129	463,634	
BIG WALL— Continental Pipeline Co.		10,216				10,216			
BLACKFOOT— Camerland Cardinal Corp.		2,707						2,707	
BORDER—Permian Corp.			1,711					1,711	
BOWES—Texaco Inc.		9,455				9,455			
BRORSON-MADISON—Pipelines		6,559						6,559	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH— Rock Island Oil & Ref. Co.			46,517				46,517		
CABIN CREEK & OTHERS* Butte Pipeline Co.	378,312	726,741	17,684	726,153			1,466,423		382,467
Shell Pipeline Co.	2,694	246,491			263			245,300	3,622
	381,006	973,232	17,684	726,153	263		1,466,423	245,300	386,089
CAT CREEK— Continental Pipeline Co.		12,727				12,727			
Truck			2,486			2,486			
		12,727	2,486			15,213			
CLARK'S FORK SOUTH—Truck			410				410		
COW CREEK— Western Crude Oil, Inc.		1,017					1,017		
CUT BANK— Continental Pipeline Co.			12,360	345,971				358,331	
Phillips Petroleum Co.	72,236	73,884		40,972	1,836	104,904			80,352
Texas Pipeline Co.	14,862	71,631		25,174	314			94,012	17,341
Union Oil Co.	75,502	78,575		36,731	1,823	114,503			74,482
Western Oil Trans. Co.		33,235						33,235	
Western Oil Trans. (Moulton)		91,654						91,654	
	162,600	348,979	12,360	448,848	3,973	219,407		577,232	172,175
DWYER—Portal Pipeline Co.		18,024					18,024		
ELK BASIN & ELK BASIN NORTHWEST— Marathon Pipeline Co.		176,653				176,653			
FAIRVIEW—Fairview Pipeline Co.		49,105					49,105		
FLAT COULEE— Camerland Cardinal Corp.		9,239				170		9,069	
FLAT LAKE & FLAT LAKE SOUTH— Portal Pipeline Co.		50,275					50,275		
FRANNIE—Interstate Pipeline Co.		448					448		
FRED & GEORGE CREEK— Camerland Cardinal Corp.	5,511	41,259				32,600		2,690	11,480
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK— Texas Pipeline Co.	9,310	32,607			(445)			34,455	7,907
GOOSE LAKE— Portal Pipeline Co.		38,908					38,908		
HAY CREEK— Fairview Pipeline Co.		14,428					14,428		
HIAWATHA— Continental Pipeline Co.		6,431					6,431		
HIBBARD—Truck			208			208			
IVANHOE— Continental Pipeline Co.		7,217	434			7,651			
KEG COULEE & KEG COULEE NORTH— Continental Pipeline Co.		9,455	3,681			13,136			
KELLEY— Continental Pipeline Co.		3,602				3,602			
KEVIN SUNBURST— Big West Oil Co.	5,715	19,592				21,776			3,531
Homestake Oil & Gas Co.	2,691	1,207				1,356			2,542
Texas Pipeline Co.	7,388	10,495		4,248		5,391		6,478	10,262
	15,794	31,294		4,248		28,523		6,478	16,335
LEARY—Permian Corp.			2,017				2,017		
MASON LAKE— Continental Pipeline Co.		669				669			
MELSTONE— Continental Pipeline Co.		1,810				1,810			
MOSSER—Permian Corp.			530				530		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST— Portal Pipeline Co.		20,241					20,241		
POLE CREEK—Truck			350				350		
PONDERA—Phillips Petr. Co.	39,560	26,442			758	12,930			52,314
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT East Poplar Gathering System	16,584	104,502			97			98,449	22,540
RAGGED POINT— Continental Pipeline Co.		4,211				4,211			
RED CREEK— Western Oil Transportation Co.		17,319						17,319	
RESERVE—Portal Pipeline Co.		15,086					15,086		
RUSH MOUNTAIN— Sinclair Refining Co.		3,515					3,515		
SHOTGUN CREEK—Truck			671				671		
SNYDER—Permian Corp.			886			886			
SOAP CREEK—Permian Corp.			3,655				3,655		
SPRING LAKE— Rock Island Oil & Ref. Co.			3,019				3,019		
SUMATRA & STENSVADE— Continental Pipeline Co.	643,595	57,387		1,405,484	(2,984)	51,138		1,445,876	612,436
TULE CREEK— Tesero Petr. Corp.	4,095		47,894			47,993			3,996
WEED CREEK— Continental Pipeline Co.		5,195				5,195			
WHITLASH & WHITLASH WEST— Camerland Cardinal Corp.		12,623				10,944		1,679	
WOLF SPRINGS— Continental Pipeline Co.		4,135				4,135			
WILDCAT WELLS—Truck			46,972				46,972		
TOTALS	1,278,055	2,875,735	195,160	2,584,733	1,662	656,745	2,076,846	2,913,158	1,285,272

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

*Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF FEBRUARY, 1970

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		10,216								10,216
Bowes			20,186							20,186
Cat Creek		532		5,995		980				7,507
Cut Bank	67,895						21,378		113,187	202,460
Delphia						145				145
Elk Basin		67,270		45,489	63,894					176,653
Flat Coulee									170	170
Fred & George Creek	32,600									32,600
Gage & Gage Southwest						11				11
Hibbard						185				185
Ivanhoe		7,651								7,651
Keg Coulee		5,884		7,252						13,136
Kelley					3,602					3,602
Lodge Grass	28,523									28,523
Mason Lake		669								669
Melstone				1,810						1,810
Pondera							85,777			85,777
Ragged Point				4,211						4,211
Sand Creek						9				9
Snyder		886								886
Sumatra & Stensvad		17,747		20,637	12,754					51,138
Tule Creek								59,970		59,970
Weed Creek					5,195					5,195
Whitlash							10,944			10,944
Wolf Springs					4,135					4,135
Total Montana Oil	129,018	110,855	20,186	85,394	89,580	1,330	118,099	59,970	113,357	727,789
Canadian Oil Imported		367,389			212,291					579,680
Wyoming Oil Imported		683,660		532,660	736,371					1,952,691
Total Montana, Canadian, and Wyoming Oil	129,018	1,161,904	20,186	618,054	1,038,242	1,330	118,099	59,970	113,357	3,260,160

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1969	25,966	13,237	71,981	111,184
February, 1969	26,791	13,264	68,327	108,382
February, 1970	25,992	20,703	69,739	116,434

PERCENTAGE OF CRUDE OIL REFINED			
Montana	Canada	Wyoming	
23.35%	11.91%	64.74%	
24.72%	12.24%	63.04%	
22.32%	17.78%	59.90%	